

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1-42. (cancelled)

43. (currently amended) A method for controlling an engine having an intake manifold and an outlet control device coupled to the manifold for controlling flow exiting the manifold and entering at least one cylinder of the engine, the engine further having an inlet control device for controlling flow entering the manifold, the outlet control device being at least one of the intake or exhaust valves of the cylinder, the method comprising:

**during engine operation,**

determining a desired engine output;

calculating a desired cylinder charge based on said desired engine output;

adjusting at least valve lift of the outlet control device to provide said desired cylinder charge; and

adjusting the inlet control device based on an engine operating parameter.

44. (currently amended) A method for controlling an engine having an intake manifold and an outlet control device coupled to the manifold for controlling flow exiting the manifold and entering at least one cylinder of the engine, the engine further having an inlet control device for

controlling flow entering the manifold, the outlet control device being at least one of the intake or exhaust valves of the cylinder, the method comprising:

**during engine operation,**

determining a desired engine output based on a desired engine speed and an actual engine speed;

calculating a desired cylinder charge based on said desired engine output;

adjusting at least a valve lift of the outlet control device to provide said desired cylinder charge; and

adjusting the inlet control device based on an engine operating parameter.

45-62. (cancelled)

63. (currently amended) A system for controlling an engine having an intake manifold and an outlet control device coupled to the manifold for controlling flow exiting the manifold and entering at least one cylinder of the engine, the engine further having an inlet control device for controlling flow entering the manifold, the outlet control device being at least one of the intake or exhaust valves of the cylinder, the system comprising:

means for determining a desired engine output;

means for calculating a desired cylinder charge based on said desired engine output;

means for, **during engine operation,** adjusting at least valve lift of the outlet control device to provide said desired cylinder charge; and

means for adjusting the inlet control device based on an engine operating parameter.

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64. (currently amended) A system for controlling an engine having an intake manifold and an outlet control device coupled to the manifold for controlling flow exiting the manifold and entering at least one cylinder of the engine, the engine further having an inlet control device for controlling flow entering the manifold, the outlet control device being at least one of the intake or exhaust valves of the cylinder, the system comprising:

means for determining a desired engine output based on a desired engine speed and an actual engine speed;

means for calculating a desired cylinder charge based on said desired engine output;

means for, during engine operation, adjusting at least valve lift of the outlet control device to provide said desired cylinder charge; and

where the inlet control device is adjusted based on an engine operating parameter.